

The Project Team

- Moffatt & Nichol
 - Project Lead / Engineering
- · Kinnetics Laboratories, Inc.
 - Marine Biology
 - Water Quality
- Dr. Phil King
 - Economist
- Clark Stevens
 - Public Outreach

Reconnaissance Phase Study Objectives

- Determine if water resources problems warrant Federal participation in Feasibility Studies
- Determine the Federal interest
- Complete a 905b Analysis
- Prepare Project Management Plan
- Assess level of interest and support from non-Federal entities
- Negotiate and execute FCSA

What is Federal "Interest?"

- Commercial Navigation
- Flood Control
- Storm Damage Reduction
- Ecosystem Restoration

Expedited Reconnaissance Study

From the public and City Council debate on this issue, the primary Army Corps mission that this Reconnaissance Study will address is Ecosystem Restoration through improved water quality, while continuing to protect navigation and coastal areas from storms. Increased recreational and tourism benefits, although outside the Army Corps' core mission, are also important to Long Beach.

City of Long Beach RFP

COE Policy for Ecosystem Restoration

- Restore to Less-Degraded, More Natural Conditions
- Full Integration with Social and Economic Goals
- Consider from Watershed Perspective
- Analyze both Monetary and Non-Monetary Benefits
- Coordination with Missions of Other Agencies

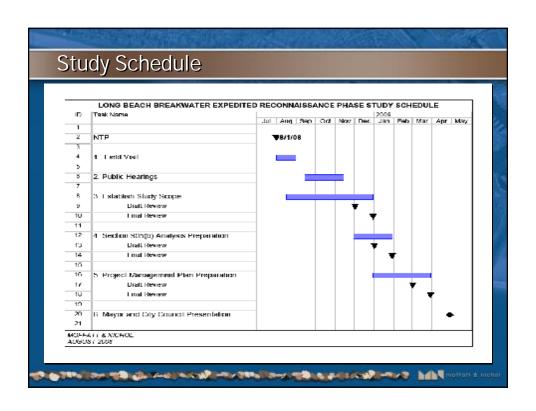
Potential Ecosystem Restoration Opportunities

- Restoration of nearshore to open coast habitat
- Improved transport of river sediments and contaminants away from the beach and nearshore habitat
- Improved benthic habitat
- Increasing rocky shallow water habitat
- Reduction of bacterial water quality exceedences on the beach

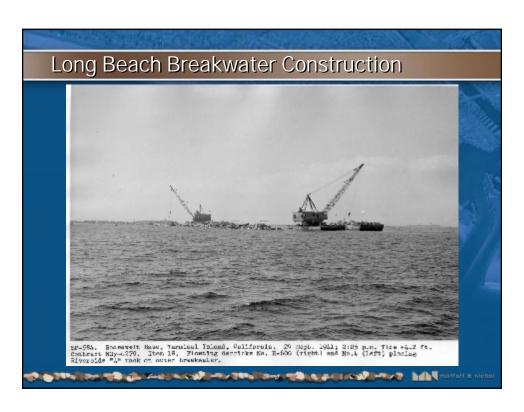
Hey, What About LOCAL Interest?

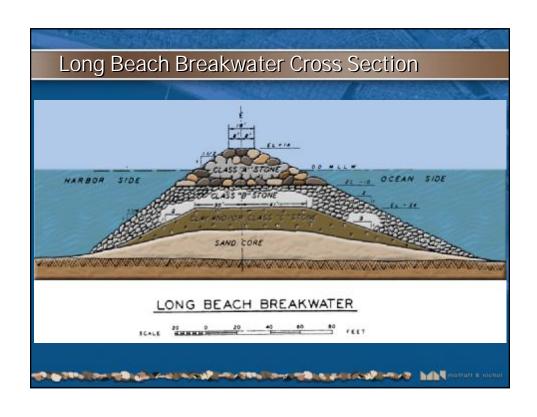
- · Fed is driving the bus since their breakwater
- City (and others) also have mission and goals (related to Breakwater study)
 - Improve water quality
 - Improved water-related recreation
 - Improve tourism
- City and other local sponsor(s) will be major cost sharing partner(s)

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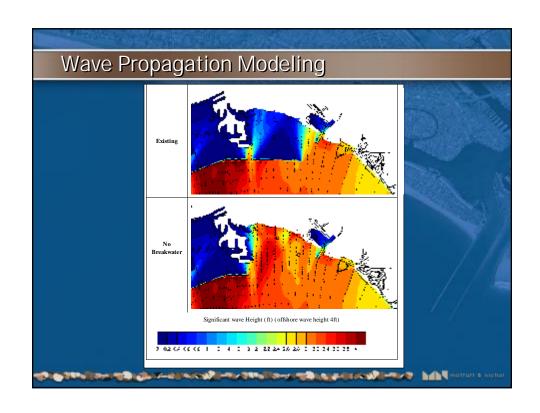




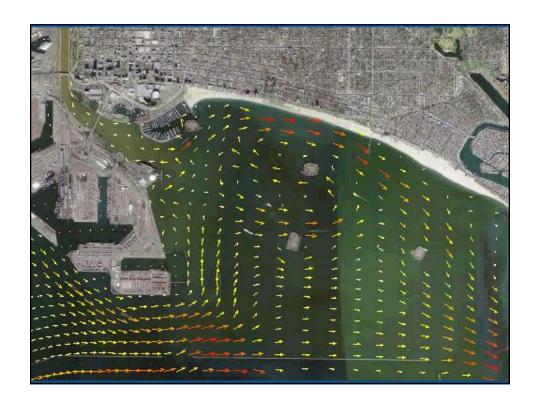














Upcoming Public Workshops

- Workshop Schedule / Purpose / End Products
- Three-Part Workshop Format
- Plan for Breakout Sessions
 - Opportunities and Constraints Matrix
 - Design Workshop for Breakwater Reconfiguration

